



Application No.: 10/764,445
Art Unit: 3643

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IN THE CLAIMS

This listing of claims will replace all prior versions of claims in the application:

Listing of Claims:

Claims 1-17 (*Canceled*)

Claim 18 (*New*) A live well oxygenator comprising:

a vessel having an inner chamber enclosed by a front wall, a top wall, a rear wall, two side walls and a bottom, said front wall defining a first opening and a second opening therein, said top wall defining a third opening and a fourth opening therein;

a water pump disposed within said vessel, said water pump having an inlet positioned at the first opening in the front wall;

a U-shaped discharge pipe having one end connected to said water pump, a bend section disposed above said water pump and an open end extending towards the bottom of said vessel, the bend section of said discharge pipe defining at least one venturi opening therein;

a L-shaped water return pipe disposed within said vessel, said water return pipe having one end positioned at the second opening in the front wall and an open end disposed proximate the bottom of said vessel;

an oxygen feed valve disposed through the third opening in the top wall of said vessel; and
an overflow tube having one end disposed through the fourth opening in the top wall of said vessel and terminating in an opposite end disposed proximate the bottom of said vessel.

Claim 19. (*New*) The live well oxygenator according to claim 18, wherein the open end of said water return pipe and the opposite end of said overflow tube are spaced a substantially equal distance from the bottom of said vessel.

Claim 20. (*New*) The live well oxygenator according to claim 18, further including a first filter screen and a second filter screen, each being respectively positioned over the first and second openings in the front wall of said vessel..

Claim 21. (*New*) The live well oxygenator according to claim 18, wherein said oxygen feed valve is connected to a compressed oxygen source.

Claim 22. (*New*) The live well oxygenator according to claim 18, further including electrical transmission wires connected to said water pump and extending through the fourth opening in the rear wall of said vessel.

Claim 23. (*New*) The live well oxygenator according to claim 22, further including a timer interconnected to said electrical wires for providing a programmable timing function for said pump.

Claim 24. (New) The live well oxygenator according to claim 22, wherein the fourth opening in the rear wall of said vessel includes a watertight fitting.

Claim 25. (New) The live well oxygenator according to claim 18, wherein the bottom of the said vessel includes a removable panel to provide access to the inner chamber for maintenance.

Claim 26. (New) The live well oxygenator according to claim 18, further including means for mounting said vessel within a tank.

Claim 27. (New) The live well oxygenator according to claim 25, wherein said mounting means include an array of mounting tabs externally disposed on said vessel.